

STATEMENT OF BASIS (AI No. 18871)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0078336 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Gulf Crown Seafood Company, Inc.
P.O. Box 198
Delcambre, LA 70528

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Kelli Hamilton

DATE PREPARED: January 21, 2010

1. PERMIT STATUS**A. Reason For Permit Action:**

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. LPDES permit - LPDES permit effective date: May 1, 2005
LPDES permit expiration date: April 30, 2010
EPA has not retained enforcement authority.

C. Date Application Received: November 2, 2009

2. FACILITY INFORMATION**A. FACILITY TYPE/ACTIVITY - shrimp processing facility**

Shrimp are peeled, graded, and packed at this existing facility.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: II (BPJ points to 0 as per administrative decision)
3. Wastewater Type: II
4. SIC code: 2092

C. LOCATION - 306 Jon Floyd Rd. in Delcambre, Iberia Parish
Latitude 29°56'27", Longitude 91°58'59"

Statement of Basis for
Gulf Crown Seafood Company, Inc.
LA0078336, AI No. 18871
Page 2

3. OUTFALL INFORMATION

Outfall 001

Discharge Type: process wastewater, washdown wastewater, and previously monitored treated sanitary wastewater

Treatment: screening

Location: at the point of discharge from the screen

Flow: 0.67 MGD

Discharge Route: Delcambre Canal

Outfall 101

Discharge Type: treated sanitary wastewater

Treatment: mechanical plant

Location: at the point of discharge from the sanitary treatment system

Flow: 2,000 gpd

Discharge Route: to Outfall 001

4. RECEIVING WATERS

STREAM - Delcambre Canal

BASIN AND SEGMENT - Vermilion-Teche River Basin, Segment 060902

DESIGNATED USES - a. primary contact recreation
b. secondary contact recreation
c. propagation of fish and wildlife

5. TMDL STATUS

Subsegment 060902, Bayou Carlin-From Lake Peigneur to Bayou Petite Anse; also called Delcambre Canal (Estuarine), is not listed on LDEQ's Final 2006 303(d) list as impaired. However, subsegment 060902 was previously listed as impaired for suspended solids/turbidity/siltation and carbofuran for which the below TMDL's have been developed. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional TMDL's and/or water quality studies. The DEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards.

Statement of Basis for
Gulf Crown Seafood Company, Inc.
LA0078336, AI No. 18871
Page 3

The following TMDL's have been established for subsegment 060902:

Suspended Solids/Turbidity/Siltation

As per the TMDL for TSS, Turbidity and Siltation for the 15 Subsegments in the Vermilion River Basin which was finalized on May 5, 2002, point sources do not represent a significant source of TSS as defined in this TMDL. Because effective policies are in place to limit TSS discharges, no specific reductions from point sources are required. Point sources discharge primarily organic TSS, which does not contribute to habitat impairment resulting from sedimentation. This TMDL only addresses the landform contribution of TSS/sediment and does not address the insignificant point source contributions.

As per the October 2000 LA TMDL Delist (Federal Register Notice: Vol. 66, Num. 66, pages 18087-18089, 4/5/2001), assessment of new data and information shows this segment is meeting water quality standards for turbidity. Therefore, requirements for turbidity will not be placed in this permit.

Carbofuran

According to the TMDL for the Pesticide Carbofuran in the Mermentau and Vermilion Teche River Basins which was finalized on March 21, 2002, there was one point source in the Vermilion-Teche (FMC Corp. LA0064360) but they did not discharge Carbofuran. Therefore, no allocation was given to point source discharges in the Vermilion-Teche River Basin for the pesticide Carbofuran. This facility is not expected to discharge pesticides.

6. CHANGES FROM PREVIOUS PERMIT

Loading limits in Outfall 001 have increased from the previous permit due to a increase in production. Monthly Average Limitations have been added to Outfall 101. Weekly Average Limitations for Outfall 101 have been changed to Daily Maximum Limitations. Seafood BMPs have been added to Other Conditions.

7. COMPLIANCE HISTORY/COMMENTS

A. Compliance History

No records of recent compliance actions were found.

No recent inspection has been conducted. Therefore, the facility has been referred to surveillance.

Statement of Basis for
 Gulf Crown Seafood Company, Inc.
 LA0078336, AI No. 18871
 Page 4

B. DMR Review/Excursions - A DMR review was completed for October 2007 through September 2009. The following excursions were reported:

<u>DATE</u>	<u>PARAMETER</u>	<u>OUTFALL</u>	<u>REPORTED VALUE</u>		<u>PERMIT LIMITS</u>	
			<u>MONTHLY AVERAGE</u>	<u>DAILY MAXIMUM</u>	<u>MONTHLY AVERAGE</u>	<u>DAILY MAXIMUM</u>
11/07	Oil and Grease	001	84	84	80	200
10/08	TSS	001	768	1096	500	1250
11/08	BOD	001	4323	4323	1250	3150
12/08	BOD	001	1561	1561	1250	3150
12/08	BOD	101	---	85	---	45
12/08	Fecal Coliform	101	---	>6,000	---	400
7/09	TSS	001	624	624	500	1250
8/09	BOD	001	1801	1801	1250	3150

8. EXISTING EFFLUENT LIMITS

Outfall 001 -	(lb/day)	Outfall 101 -	
BOD	1250:3150	BOD	---:45
TSS	500:1250	TSS	---:45
Oil and Grease	80:200	Fecal Coliform	---:400
pH	6-9	pH	6-9

9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 060902 of the Vermilion-Teche River Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated January 5, 2010 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

Statement of Basis for
Gulf Crown Seafood Company, Inc.
LA0078336, AI No. 18871
Page 5

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review; the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

13. STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

As per LAC33:IX.2341.B.14.k, stormwater discharges from facilities classified as 2092 are considered to be associated with industrial activities. However, Gulf Crown Seafood Company, Inc. has submitted a No Exposure Certification for Exclusion from LPDES Storm Water Permitting. Therefore, an SWP3 is not required in the permit.

Statement of Basis for
 Gulf Crown Seafood Company, Inc.
 LA0078336, AI No. 18871
 Page 6

Rationale for Gulf Crown Seafood Company, Inc.

1. **Outfall 001** process wastewater, washdown wastewater, and previously monitored treated sanitary wastewater (estimated flow is 0.67 MGD)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max (lb/day)	<u>Reference</u>
Flow	Report:Report	LAC 33:IX.2707.I.1.B
BOD ₅	4,000:10,080	40 CFR 408.125
TSS	1,600:4,000	40 CFR 408.125
Oil&Grease	256:640	40 CFR 408.125
pH (s.u.)	6.0:9.0 (min:max)	40 CFR 408.125

Treatment: screening

Monitoring Frequency: monthly

Limits Justification: The Effluent Limit Guidelines from 40 CFR 408 Subpart L: Southern Non-Breaded Shrimp Processing in the Contiguous States (promulgated December 1, 1975) are applicable to this facility. The facility started operations in 1988; therefore, 40 CFR 408.125 applies.

Calculations:

BOD 25/63 lb/1000 lb

TSS 10/25 lb/1000 lb

Oil and Grease 1.6/4 lb/1000 lb

per application: 160,000lbs/day

BOD $160 \times 25/63 = 4000/10080$

TSS $160 \times 10/25 = 1600/4000$

Oil and Grease $160 \times 1.6/4 = 256/640$

Limits increased from previous permit due to an increase in production from 50,000 lbs/day to 160,000 lbs/day.

Statement of Basis for
 Gulf Crown Seafood Company, Inc.
 LA0078336, AI No. 18871
 Page 7

2. **Outfall 101**, the discharge of treated sanitary wastewater (estimated flow is 2,000 gpd).

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max (mg/l)	<u>Reference</u>
Flow	Report:Report	See limits justification (2) below
BOD ₅	30:45	See limits justification (1),(2) below
TSS	30:45	See limits justification (1),(2) below
Fecal Coliform	200:400	See limits justification (1),(2) below
pH (s.u.)	6.0:9.0 (min:max)	See limits justification (2) below

Treatment: mechanical plant

Monitoring Frequency: semiannually

Limits Justification:

- 1) Sanitary wastewater regulated in accordance with LAC 33:IX.711 or LAC 33:IX.709.B - Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which expresses BOD₅ and TSS in terms of concentration.
- 2) BPJ utilizing the LPDES Class I Sanitary General Permit

su Standard Units

* Existing permits for similar outfalls

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.